

ABSTRACT

A small-sized attitude detection sensor 1 includes three magnetic sensing parts 41 to 43 that detect magnetic field strength in respective directions along three axes perpendicular to each other, and two tilt sensing parts 2a and 2b that detect tilt angles around two axes perpendicular to each other. The tilt sensing parts 2a and 2b each include a cantilever 22 having a magnet body 21 that moves in accordance with the tilt angle, and a magnetic detection head 23 that detects a displacement of the magnet body 21. The three magnetic sensing parts 41 to 43 and the two magnetic detection heads 2a and 2b are each formed using a magnetic detection element of the same type. At least one electronic circuit for controlling the five magnetic detection elements, the three magnetic sensing parts 41 to 43, and the two tilt sensing parts 2a and 2b are disposed in a single package in the form of a module.